

CLAIMS

- 1           1.       A battery charger amusement device comprising:  
2               a battery charger having a receptacle adapted to receive a rechargeable  
3       battery, the battery having a charge status;  
4               an electronic circuit monitoring charge status; and  
5               a mechanical movement signal activated upon the battery attaining a  
6       preselected charge status as measured by said electronic circuit.
  
- 1           2.       The device of claim 1 further comprising a second electronic  
2       circuit communicating information independent of charge status.
  
- 1           3.       The device of claim 1 further comprising an AC coupler.
  
- 1           4.       The device of claim 1 wherein the battery is selected from a  
2       group consisting of: AAA, AA, B, C, D and 9 volt.
  
- 1           5.       The device of claim 2 wherein said electronic circuit further  
2       comprises a microprocessor.
  
- 1           6.       The device of claim 2 wherein the information is of a type  
2       selected from the group consisting of language, text, music, light, movement  
3       and video.

1           7.     The device of claim 1 further comprising a housing.

1           8.     The device of claim 1 wherein said mechanical movement  
2 signal is selected from a group consisting of: release of a spring, activation of  
3 an electric drive motor to create a mechanical movement, deactivation of said  
4 electrical motor, and movement of a liquid or powder.

1           9.     The device of claim 7 wherein said housing is configured in a  
2 form selected from the group consisting of humanoid, animate, vehicular and  
3 natural.

1           10.    The device of claim 1 further comprising a light.

1           11.    The device of claim 2 further comprising a user input interface  
2 to said electronic circuit.

1           12.    A battery charger amusement device comprising:  
2           a battery charger having a receptacle adapted to receive a rechargeable  
3 battery, the battery having a charge status;  
4           an electronic circuit activated by the rechargeable battery being inserted  
5 into the receptacle, said electronic circuit monitoring charge status;  
6           a spring compressed by the rechargeable battery being inserted into the  
7 receptacle; and

8           a spring release triggered by said electronic circuit in response to the  
9   charge status of the battery.

1           13.    The device of claim 12 further comprising an AC coupler.

1           14.    The device of claim 12 wherein the battery is selected from a  
2   group consisting of: AAA, AA, B, C, D and 9 volt.

1           15.    The device of claim 12 further comprising a housing.

1           16.    The device of claim 15 wherein said housing is configured in a  
2   form selected from the group consisting of an appliance, a jack-in-the-box, and  
3   a figurine.

1           17.    The housing of claim 15 further comprising a light.

1           18.    The device of claim 12 further comprising a second electronic  
2   communicating information independent of charge status.

1           19.    The device of claim 12 further comprising a battery caddy  
2   electrically intermediate between the battery and said receptacle.

1           20.    A process for charging a battery comprising the steps of:

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- 2           placing a rechargeable battery into a device according to claim 1 for a
- 3           charging duration;
- 4           receiving a mechanical movement signal from said device indicating
- 5           charge status of the battery; and
- 6           removing the battery from said device after the charging duration.